AMENDMENTS TO THE SPECIFICATION

Please replace the paragraphs starting at page 22, line 7, and ending at page 23, line 19, with the following paragraphs.

Thus, in the present embodiment of the present invention, listener object 130a of server 110 receives an incoming connection request 134 from client 102 and passes the incoming connection request to the session manager object 138a. Session manager object 138a of server 110 spawns session thread 140a that reads the command from the connection request 134 (e.g., a command requesting transfer of data file 120 of Figure 2A). The command contains all of the information needed to open data file 120 and to send data file 120 through a connection between client 102 and server 110. The session thread 140a parses the command and creates and initializes a channel object 139a (with its threads), and runs the channel. Channel object 139a will be initialized with the currently established network connection between server 110 and client 102.

Channel object 139a represents the set of objects needed for sending ~~and receiving~~ a file (e.g., data file 120). In the present embodiment, the ~~these~~ set of objects includes ~~include~~ the reader, compressor, encryptor, ~~decompressor, decryptor~~[[,]] and writer objects described in conjunction with Figures 3A [[-3B]] and 4A [[-4B]].

On the client side, listener object 130b ~~139b~~ receives the incoming connection from server 110 and passes this connection to session manager 138b. Session manager 138b spawns a session thread 140b. Session thread

140b reads the command from the connection. This command contains all of the information needed to connect to server 110, read the data file 120, and to have the data file 120 sent to client 102. Session thread 140b parses the command and executes the following: establishes a connection with server 110, sends the command to start the transfer of data file 120, and initializes and runs the channel.

Figure 3A illustrates data flow through an embodiment of an output channel object 139a in accordance with the present invention. In this embodiment, output channel 139a comprises four data transformation threads or objects: reader channel object 142a, compressor channel object 146, encryptor channel object 156, and writer channel object 152a. The data transformers (reader channel object 142a, compressor channel object 146, encryptor channel object 156, and writer channel object 152a) can work in parallel (e.g., they each can have their own threads). Output channel 139a also comprises block manager object 154a.